AMERICAN UNIVERSITY of Beirut OBSERVATORY

"

MONTHLY BULLETIN

METEOROLOGICAL SECTION

FRANS BRUIN : DIRECTOR

HALIM HOURANI : OBSERVER

BEIRUT, LEBANON

Latitude : 33° 54' 22" N.

Longitude : 2^h 21^m 52^s . 7 E.

July - 1961

Jourdy Press — Tel. : 243010

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OCT 26 1961
WEATHER BUREAU

JULY 1961

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. †...				Thermometer Degrees Centigrade					
	8.30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	54.7	55.1	54.9	54.9	30.7	23.5	27.4	29.5	26.0	27.6
2										
3	57.6	57.4	57.2	57.4	30.0	22.0	27.3	29.3	24.6	27.1
4	56.9	56.1	55.7	56.2	29.6	23.2	27.0	28.3	25.1	26.8
5	55.4	55.0	54.3	54.9	30.2	22.9	27.7	29.4	25.0	27.4
6	54.3	54.1	55.2	54.5	30.5	22.0	27.7	29.0	25.5	27.4
7	54.8	54.7	55.0	54.8	29.2	23.0	26.6	28.0	24.7	26.4
8	55.6	55.6	55.8	55.7	30.1	23.6	27.4	29.1	25.3	27.3
9	54.9	54.4	54.3	54.5	31.2	24.5	27.6	30.9	26.0	28.2
10	53.6	53.6	53.9	53.7	31.0	24.0	20.8	30.2	25.8	28.0
11	55.0	54.2	55.2	54.8	31.0	23.9	27.8	30.0	25.5	27.8
12	55.0	54.5	54.4	54.6	30.2	23.2	27.8	28.2	25.5	27.2
13	54.3	54.6	55.1	54.7	31.5	23.1	27.6	30.8	25.4	27.9
14	56.1	55.9	55.8	55.9	31.1	23.0	27.4	30.2	25.5	27.7
15	56.1	55.6	55.4	55.7	30.4	23.2	27.2	30.1	25.7	27.7
16	55.2	54.7	54.2	54.7	31.5	24.0	28.0	31.0	26.0	28.3
17	53.4	53.0	52.7	53.0	31.3	24.4	28.1	30.4	26.5	28.3
18	52.9	52.8	53.3	53.0	31.6	23.1	28.8	30.7	26.0	28.5
19	54.8	54.9	55.9	55.2	31.3	23.2	27.6	30.9	25.6	28.0
20	57.4	56.9	56.5	56.9	30.8	23.7	27.6	29.4	26.0	27.7
21	55.5	54.7	54.5	54.9	31.1	24.0	28.2	30.6	25.5	28.1
22	54.1	53.9	54.6	54.2	31.9	23.3	28.1	31.0	26.0	28.4
23	55.3	55.0	55.5	55.3	31.1	24.1	28.8	29.8	26.5	28.4
24	55.9	55.3	55.2	55.5	30.7	24.2	28.4	29.5	26.7	28.2
25	54.4	53.7	52.5	53.5	30.7	23.7	28.7	30.4	26.5	28.5
26	51.3	50.8	55.5	52.5	32.9	25.4	29.2	32.0	27.7	29.6
27	50.8	51.0	51.7	51.2	32.3	25.0	28.7	31.4	26.6	28.9
28	52.9	53.4	54.0	53.4	32.2	23.6	28.8	31.6	27.0	29.1
29	54.8	54.5	54.4	54.6	32.4	24.5	29.0	31.0	27.0	29.0
30	54.5	54.1	54.6	54.4	31.5	24.7	29.2	30.2	26.8	28.7
31	54.9	54.9	54.6	54.8	32.0	25.6	28.4	31.3	27.0	28.9
	54.75	54.48	54.73	54.65	31.07	23.72	28.00	30.14	25.97	28.04

Barometer, range 757.6 mm — 751.0 mm
» 82-yrs. average 755.46 mm.
Thermometer, range 32.9 °C — 22.0 °C
« 82-yrs. average 27.1 °C
Rain. total for month 0.00 mm
« 82-yrs. average for month 0.5 mm
« total from Sept. 1st. 848.44 mm
« 82-yrs. average from Sept. 1st. 892.56mm

JULY 1961

METEOROLOGICAL REGISTER

Date	Pressure of Water Vapour Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20.30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kmsr	m m
1	27.1	29.3	28.3	28.2	74	71	84	76	12.2	182	
2									12.2	241	
3	22.3	22.2	22.0	22.2	61	54	72	62	8.8	164	
4	20.9	23.5	24.5	22.9	59	61	76	65	12.1	145	
5	25.0	25.5	26.0	25.5	68	62	82	71	12.3	167	
6	25.6	24.3	23.7	24.5	69	61	73	68	11.0	179	
7	21.8	22.5	23.1	22.5	63	60	74	66	12.5	137	
8	25.0	27.3	26.0	26.1	68	67	80	72	12.4	119	
9	27.2	28.4	28.3	28.0	74	64	84	74	12.3	280	
10	27.1	27.5	24.2	26.3	72	64	73	70	12.3	404	
11	21.7	24.0	24.9	23.5	58	56	76	63	12.2	274	
12	25.1	26.5	25.8	25.8	68	69	79	72	11.5	114	
13	22.8	27.0	25.6	25.1	62	61	79	67	12.3	150	
14	25.4	28.1	26.3	26.6	70	65	80	72	12.4	166	
15	26.2	27.9	27.3	27.1	73	65	82	73	12.6	85	
16	27.1	29.7	28.3	28.4	72	66	84	74	12.4	200	
17	28.4	29.0	28.7	28.7	74	67	83	75	12.4	220	
18	26.9	29.1	28.3	28.1	69	66	84	73	12.3	211	
19	24.8	26.7	26.0	25.8	68	60	82	70	12.6	212	
20	23.9	25.5	25.7	25.0	65	62	76	68	12.2	122	
21	24.9	25.6	25.2	25.2	65	59	77	67	12.5	167	
22	26.7	28.6	28.3	27.9	70	64	84	73	12.5	240	
23	25.9	25.1	27.6	26.2	66	60	80	69	12.8	92	
24	28.9	27.7	28.5	28.4	74	67	81	74	12.4	72	
25	30.7	31.1	29.7	30.5	78	72	86	79	12.5	76	
26	32.2	31.8	30.9	31.6	79	67	83	76	12.6	137	
27	30.1	29.4	26.3	28.6	76	64	76	72	12.3	306	
28	25.9	27.5	28.0	27.1	66	59	79	68	12.0	233	
29	28.3	30.2	29.6	29.4	71	67	83	74	12.7	121	
30	27.2	30.2	28.7	28.7	67	70	81	73	12.7	117	
31	27.8	28.6	28.0	28.1	72	62	79	71	12.5	261	
	26.10	27.33	26.79	26.73	69.0	63.7	79.7	70.9	12.21	179.58	

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric date from reading of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M. O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20.30 for the preceding 24 hours.
71 year averages are for period, 1875 - 1943

JULY 1961
METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast – 10				beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	0	0	0.0	4sw	2sw	1sw	light	H; a.m. p.m.
2									
3	1cu	5cu-st	4st-ct	3.3	3sw	4sw	2sw		
4	0	8cu-st	10cu-st	6.0	4w	4sw	1sw	,,	
5	1cu-st	0	3cu-st	1.3	4sw	4w	2sw	,,	D; p m.
6	5cu-st	6st	10st	7.0	4sw	4sw	2sw	light	
7	2cu-st	0	0	0.7	4w	3w	2w	,,	
8	0	4cu	0	1.3	4w	4w	2w	,,	
9	4cu-ts	1st	0	1.7	4sw	4sw	4w	slight	D; p.m.
10	1cu-st	5st	4cu-st	3.3	5sw	4sw	5sw	light	
11	0	0	0	0.0	5sw	4sw	2sw	light	
12	0	6st	0	2.0	4sw	4sw	3sw	,,	
13	0	1cu-st	0	0.3	4sw	5sw	3sw	,,	D; p.m.
14	0	4cu-st	0	1.3	4sw	4w	4sw	,,	D; p.m.
15	3st	0	0	1.0	4sw	2w	1w	,,	D; p.m.
16	0	1ci	0	0.3	4sw	4sw	4sw	slight	D; p.m.
17	4st	1st	0	1.7	5sw	4sw	5sw	light	H; a.m. p.m. D; p.m.
18	0	0	0	0.0	3sw	3sw	5sw	,,	D; p.m.
19	0	0	0	0.0	5sw	4sw	3sw	,,	D; p.m.
20	2st	3cu-st	5cu-st	3.3	4sw	4sw	1sw	,,	
21	0	0	0	0.0	4sw	5sw	2sw	light	
22	0	0	0	0.0	4sw	4w	2w	,,	D; p.m.
23	0	0	0	0.0	3nw	3nw	1nw	,,	D; p.m.
24	8st	0	0	2.7	3uw	3nw	1nw	,,	D; p.m.
25	3st	0	0	1.0	3sw	3w	1w	,,	D; p.m.
26	7st	0	0	2.3	4sw	4sw	3sw	light	D; p.m.
27	1st	0	0	0.3	5sw	6sw	6sw	,,	H; a.m. p.m.
28	0	0	0	0.0	4sw	4sw	2sw	,,	H: a.m. p.m. D; p.m
29	0	0	1cu	0.0	4sw	4w	3w	,,	D; p.m.
30	0	1stcu	0	0.7	3sw	3sw	2sw	,,	D; p.m.
31	0	4st		1.3	5sw	5sw	6sw	,,	
				1.43					

Abbreviation : G = gale ; H = haze ; M = mist ; T = Thunderstorm ; D = dew
W = strong wind ; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	0	0	0	0	0	25	3	2	0	30
14:30	0	0	0	0	0	20	8	2	0	30
20:30	0	0	0	0	0	21	7	2	0	30
Total	0	0	0	0	0	66	18	6	0	90

Number of days with rain 0, fog 0, Thunderstorms 0, gale 0
71-yrs. average number of days with rain during month 0.17